AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claim 1 (Currently amended) A reactor for microarray, comprising:

a first member comprising a fillister for a sample solution, wherein the first member is embedded with a biochip,

a second member disposed on the first member, and

at least two electrodes disposed on the second member to contact the sample solution.

Claim 2 (Original) The reactor for microarray as claimed in claim 1, wherein the first and the second members are composed of organic or inorganic materials.

Claim 3 (Original) The reactor for microarray as claimed in claim 2, wherein said organic materials comprise resin, synthetic resin, or synthetic polymer, wherein said synthetic polymer comprises polyethylene, polystyrene, polypropylene, or polyvinyl chloride.

Claim 4 (Original) The reactor for microarray as claimed in claim 2, wherein said inorganic materials comprise metal, ceramic, silicon, or glass.

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Claim 5 (Currently amended) The reactor for microarray as claimed in claim 1, wherein the second member further comprises at least two openings a plurality of porces.

Claim 6 (Original) The reactor for microarray as claimed in claim 1, wherein the sample solution comprises a molecule.

Claim 7 (Original) The reactor for microarray as claimed in claim 6, wherein said molecule is an organic molecule, an inorganic molecule or a biological molecule.

Claim 8 (Original) The reactor for microarray as claimed in claim 7, wherein said biological molecule comprises nucleic acid, oligonucleotide, protein, peptide or the derivatives thereof.

Claim 9 (Original) The reactor for microarray as claimed in claim 1, further comprising a second pair of electrodes disposed on the second member.

Claim 10 (Currently amended) The reactor for microarray as claimed in claim 1, further comprising one electrode on the second member corresponding to the pair of electrodes—on the second member.

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Claim 11 (Currently amended) The reactor for microarray as claimed in claim $\frac{1}{17}$, or 10, wherein two or more electrodes are used to generate one or more electrical fields.

Claim 12 (original) The reactor for microarray as claimed in claim 1, 9, or 10, wherein the electrodes are composed of Au, Ag, Cu, Ni, Pt, or stainless steel.

Claim 13 (original) The reactor for microarray as claimed in claim 1, 9, 10, wherein the first member, the second member, and the electrodes are inert to the sample solution.

Claim 14 (Canceled)

Claim 15 (Original) The reactor for microarray as claimed in claim 1, wherein the first and the second members are formed integrally.

Claim 16 (Currently amended) A reactor for microarray, comprising:

- a first member comprising a first fillister for a microarray containing a reaction region;
- a second member removably disposed on the first member <u>comprising</u> a second fillister corresponding to the reaction region, wherein the second fillister has a space for a sample <u>solution</u>; and

at least two electrodes disposed on the second fillister, wherein the electrodes contact the sample solution.

Claim 17 (Original) The reactor for microarray as claimed in claim 16, wherein the first and the second members are composed of organic or inorganic materials.

Claim 18 (Original) The reactor for microarray as claimed in claim 17, wherein said organic materials comprise resin, synthetic resin, or synthetic polymer, wherein said synthetic polymer comprises polyethylene, polystyrene, polypropylene, or polyvinyl chloride.

Claim 19 (Original) The reactor for microarray as claimed in claim 17, wherein said inorganic materials comprise metal, ceramics, silicon, or glass.

Claim 20 (currently amended) The reactor for microarray as claimed in claim 16, wherein the second member further comprises at least two openings a plurality of pores.

Claim 21 (Original) The reactor for microarray as claimed in claim 16, further comprising a second pair of electrodes disposed on the second member.

Claim 22 (currently amended) The reactor for microarray as claimed in claim 16, further comprising one electrode on the second member corresponding to the pair of electrodes on the second member.

Claim 23 (Currently amended) The reactor for microarray as claimed in claim 16, 2<u>1</u>5, or 2<u>2</u>6, wherein two or more electrodes are used in combination to generate one or more electrical fields.

Claim 24 (Currently amended) The reactor for microarray as claimed in claim 16, 215, or 226, wherein the electrodes are Au, Ag, Cu, Ni, Pt, or stainless steel.

Claim 25 (New) The reactor for microarray as claimed in claim 16, wherein the first member comprises a biochip containing a reaction region.

Claim 26 (New) A method for enhancing hybridization efficiency, comprising:

pouring a sample solution into a reactor for microarray as claimed in claim 1, and
applying voltage to electrodes of the reactor for microarray to form an electrical field,
wherein the electrical field increases the hybridization reaction between the sample solution and
a biochip of the reactor for microarray.

Claim 27 (New) The method as claimed in claim 26, wherein the voltage is produced by alternating current.

Claim 28 (New) A method for enhancing hybridization efficiency, comprising: pouring a sample solution into a reactor for microarray as claimed in claim 25, and

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applying voltage to electrodes of the reactor for microarray to form an electrical field, wherein the electrical field increases the hybridization reaction between the sample solution and a biochip of the reactor for microarray.

Claim 29 (New) The method as claimed in claim 28, wherein the voltage is produced by alternating current.

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